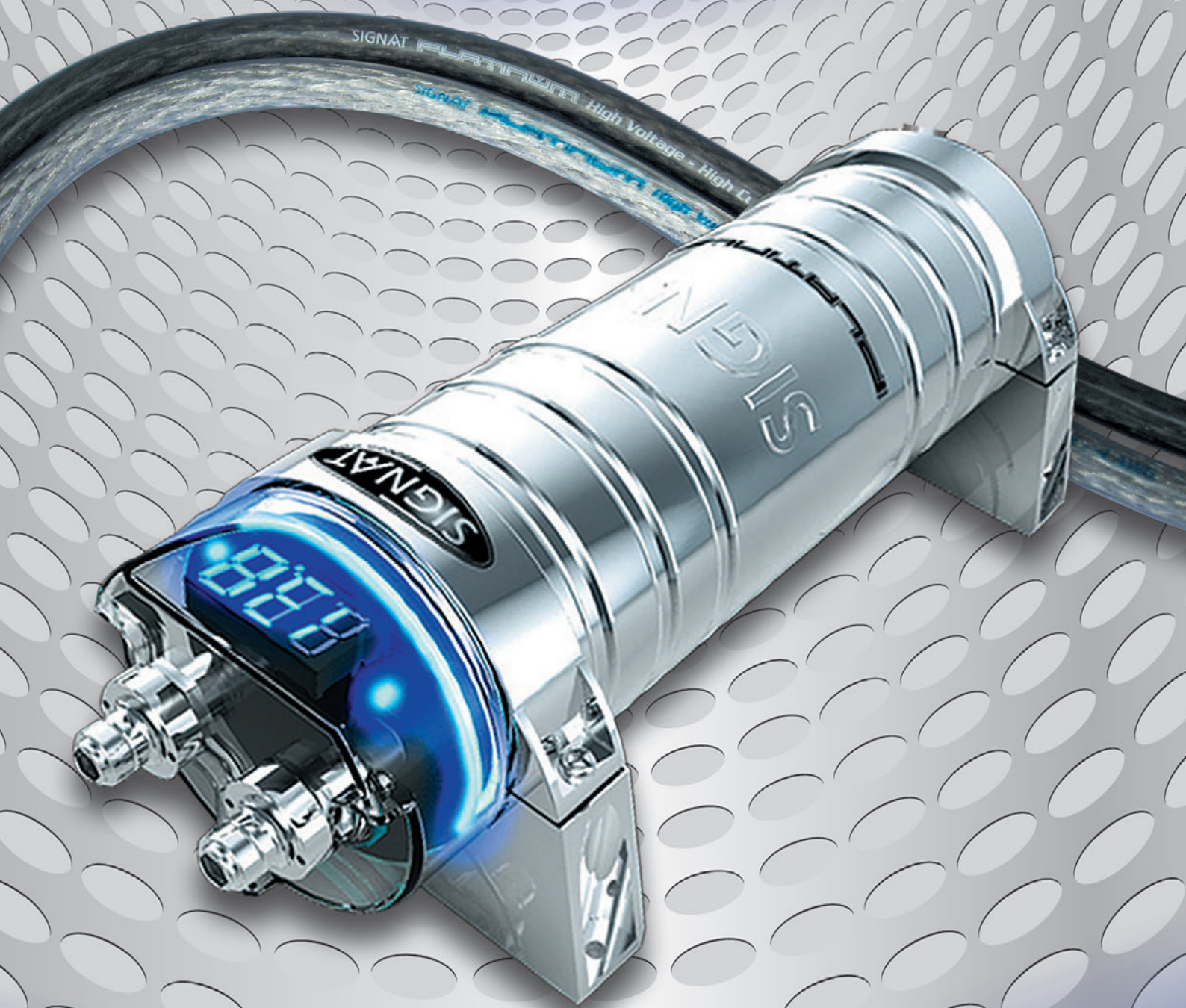


SIGNAT



PLATINUM

Cables and Accessories - '08/'09

Signat - for professionals

Signat originates from the German manufacturer Autosound, since the early 1980's experienced in the car audio segment. In 1992 Autosound first launched its A-brand with the name Signat. This is a derivation of the word 'signature', which refers to the individual marks and qualities of each and every design. The rich history of the Signat brand features many monumental highlights, like the phenomenal FLAG amplifier and its successors LOG, LAB and RAMbo amplifiers. In order to generate the maximum performance of all the Signat amplifiers and loudspeakers, Signat has developed a specially conceived, extremely elaborate cable and accessory program under the name of 'Platinum'. These high-quality connection materials will highly contribute to the enhancement of each and every car audio install.

And there's more to Signat than just car audio. Just witness the 'inSight' multimedia devices, the security product line and the elaborate catalogue of 'Fits' adapters and interfaces. All of these products are closely related in order to create an optimum symbiosis. This goes to show that Signat really composes its product range 'for professionals'.

AWG and mm²

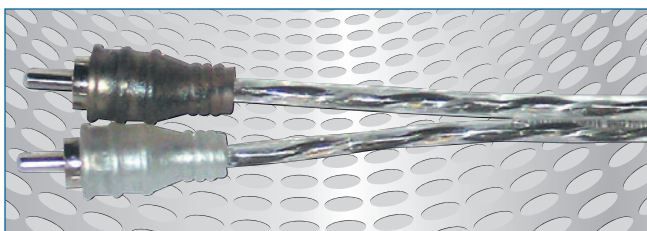
Signat cables are measured in AWG (American Wire Gauge), the American standard which is logarithmic. This is about the same as calculating with decibels. In this table the AWG wire cross-sections are converted to mm² according to the usual rounded standard as well as the precise values.

| AWG | mm ² (rounded) | mm ² (precise) | AWG | mm ² (rounded) | mm ² (precise) |
|-----|------------------------------|------------------------------|-----|------------------------------|------------------------------|
| 000 | 85 | 85 | 12 | 4.0 | 3.31 |
| 00 | 70 | 67.4 | 14 | 2.5 | 2.08 |
| 0 | 55 | 53.5 | 16 | 1.5 | 1.31 |
| 1 | 50 | 40.4 | 17 | 1.0 | 1.04 |
| 2 | 35 | 33.6 | 18 | 0.75 | 0.82 |
| 4 | 25 | 21.1 | 20 | 0.50 | 0.52 |
| 8 | 10 | 8.36 | 24 | 0.25 | 0.21 |
| 10 | 6.0 | 5.26 | 26 | 0.15 | 0.13 |

Cable diameter

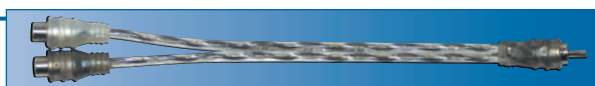
Electric cables in cars should have a certain cross-section to transfer the power and signals without losses through the hostile environment of the vehicle with all of its interferences caused by other electrical circuits. The recommended wire cross-section is based on the system's current draw and the length of the cable. Note that you can always use thicker cable (a lower AWG number); a power cable can never be too thick.

| | >150A | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG |
|---------------------------------------|----------|-----------|------------|-----------|-----------|-----------|---------|
| 135 - 150A | 4 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG |
| 105 - 135A | 4 AWG | 4 AWG | 4 AWG | 4 AWG | 0/1 AWG | 0/1 AWG | 0/1 AWG |
| 85 - 105A | 8 AWG | 8 AWG | 4 AWG | 4 AWG | 4 AWG | 0/1 AWG | 0/1 AWG |
| 65 - 85A | 8 AWG | 8 AWG | 4 AWG | 4 AWG | 4 AWG | 4 AWG | 4 AWG |
| 50 - 65A | 8 AWG | 8 AWG | 8 AWG | 4 AWG | 4 AWG | 4 AWG | 4 AWG |
| 35 - 50A | 10 AWG | 8 AWG | 8 AWG | 8 AWG | 8 AWG | 8 AWG | 8 AWG |
| 10 - 35A | 10 AWG | 10 AWG | 8 AWG | 8 AWG | 8 AWG | 8 AWG | 8 AWG |
| Amperage draw / cable length | 0 - 5 ft | 5 - 10 ft | 10 - 13 ft | 13 - 16ft | 16 - 19ft | 19 - 22ft | |
| | 0 - 1m50 | 1m50 - 3m | 3m - 4m | 4 - 5m | 5 - 6m | 6 - 7m | |



high-value signal cable

- Twisted pair cable configuration for optimum noise resistance
- Silver-plated molded connectors
- Sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Clear outer jacket for enhanced cosmetics
- Excellent value for money performance



product overview

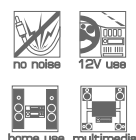
| | | | | |
|---------|--------------|--------------------|------|------|
| S101003 | interconnect | 2-channel | 3ft | 1m |
| S101004 | interconnect | 2-channel | 12ft | 3m50 |
| S101005 | interconnect | 2-channel | 16ft | 5m |
| S101001 | Y-adapter | 1 female to 2 male | 1ft | 30cm |
| S101002 | Y-adapter | 1 male to 2 female | 1ft | 30cm |

SIGNAL CABLES



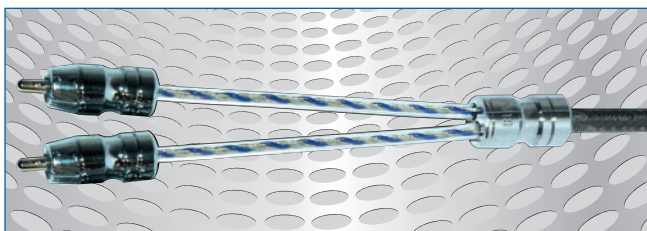
super shielded signal cable

- Twisted pair cable configuration for optimum noise resistance
- Silver-plated molded connectors
- Sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Additional aluminum foil shield for ultimate noise resistance
- Clear outer jacket for enhanced cosmetics
- Black end jacket for additional strain relief



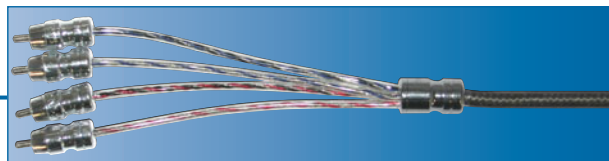
product overview

| | | | | |
|---------|--------------|--------------------|------|------|
| S101303 | interconnect | 2-channel | 3ft | 1m |
| S101304 | interconnect | 2-channel | 12ft | 3m50 |
| S101305 | interconnect | 2-channel | 16ft | 5m |
| S101301 | Y-adapter | 1 female to 2 male | 1ft | 30cm |
| S101302 | Y-adapter | 1 male to 2 female | 1ft | 30cm |



high-end signal cable

- Twisted pair cable configuration, mylar foil shield and a 95% double braided shield
- Super shielded for an unsurpassed level of noise rejection and a non-compromise high-end design
- Platinum-plated soldered screw connectors with sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Split ends with platinum-plated strain relief splitter bridge
- Available in 2-channel and also a 4-channel configuration for a total compact install

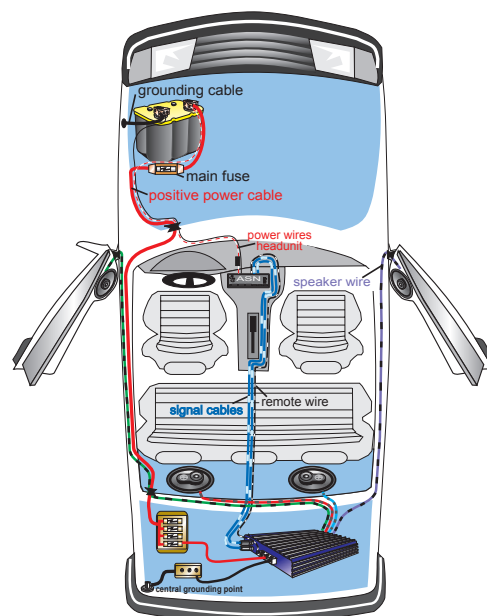


product overview

| | | | | |
|---------|--------------|--------------------|------|------|
| S101603 | interconnect | 2-channel | 3ft | 1m |
| S101604 | interconnect | 2-channel | 12ft | 3m50 |
| S101605 | interconnect | 2-channel | 16ft | 5m |
| S101606 | interconnect | 4-channel | 12ft | 3m50 |
| S101607 | interconnect | 4-channel | 16ft | 5m |
| S101601 | Y-adapter | 1 female to 2 male | 1ft | 30cm |
| S101602 | Y-adapter | 1 male to 2 female | 1ft | 30cm |

Signal cables

To supply the amplifier with music, an RCA signal cable is needed, running from the headunit to the amplifier. This cable may never run next to the power wire, or it will pick up too much interference. So the signal cable has to be led through the other side of the car, unless the gutter overthere comprises already lots of noise generating carspecific wiring, like alarm cables, door locking cables, board computer cables etcetera. In this case it is preferable to run the RCA cable through the middle of the car. In normal cars, a double shielded signal cable will do. In noisy cars, which tend to pick up more interference, a superior shielded cable is recommended, like a twisted RCA cable, which even offers more protection against interferences.





high-value loudspeaker cable

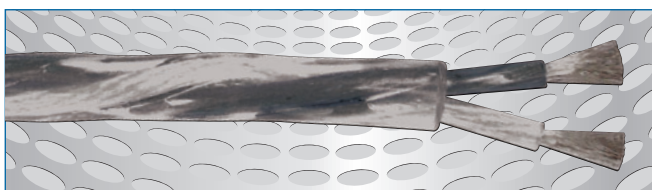
- Loudspeaker cable, black transparent jacket, tinned OFC cable
- Square/round insulation for easy plus/minus identification
- Extreme flexibility for an easy installation around corners



product overview

| | | | | | |
|---------|---------------|--------------|---------|-------|-----------|
| S102001 | speaker cable | square/round | 2x16AWG | 500ft | 150m reel |
| S102002 | speaker cable | square/round | 2x14AWG | 500ft | 150m reel |
| S102003 | speaker cable | square/round | 2x12AWG | 250ft | 75m reel |

SPEAKER CABLES



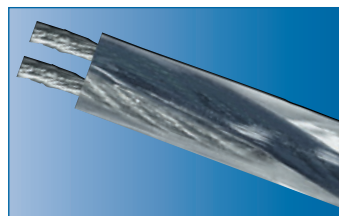
high-end loudspeaker cable

- Twisted pair loudspeaker cables, clear and smoke transparent jacket, tinned OFC cable
- Extreme flexibility allows for an easy installation around corners



product overview

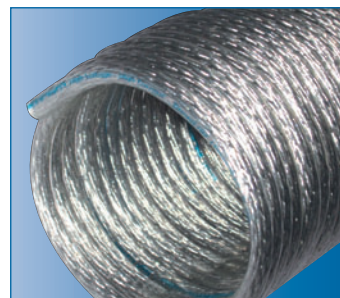
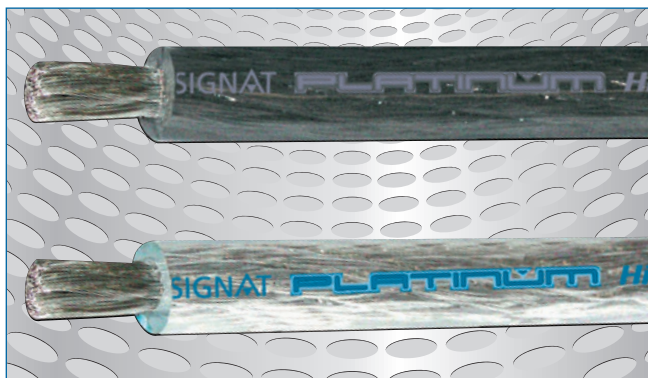
| | | | | | |
|---------|---------------|---------|---------|-------|-----------|
| S102401 | speaker cable | twisted | 2x16AWG | 500ft | 150m reel |
| S102402 | speaker cable | twisted | 2x14AWG | 500ft | 150m reel |
| S102403 | speaker cable | twisted | 2x12AWG | 250ft | 75m reel |



Loudspeaker cables

The loudspeaker wires run from the amplifier to the loudspeakers. They tend to be fairly long and especially when they lead to doorspeakers, they have to travel a difficult way through grommet passages.

The copper used in the Platinum loudspeaker cables is OFC (oxygen-free copper). This 'pure' copper has got about 4500 copper crystals within one meter of a copper conductor. Thanks to the tinned layer around it improves the conductivity and reduces the oxidation.



high-end power cable

- Transparant cable sleeve, clear for power , smoke black for ground
- Significantly large amount of strands for an extreme flexibility
- Braid twisted oxygen-free copper (OFC) wire
- Easy to install around corners

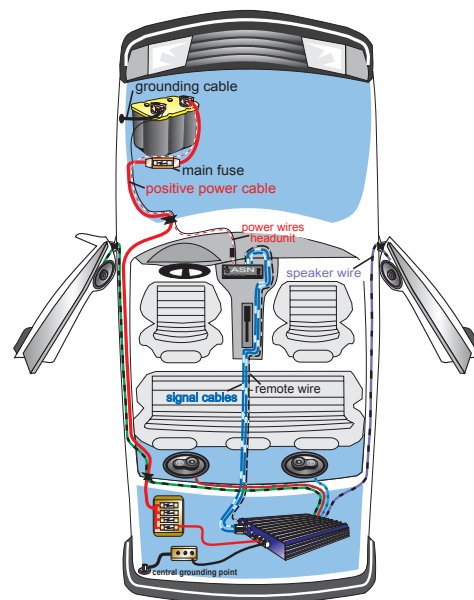


product overview

| | | | | | | |
|---------|------|--------------|-------------------|--------------|-------|-----------|
| S103001 | 8AWG | power cable | clear transparent | 651 strands | 250ft | 75m reel |
| S103201 | 8AWG | ground cable | smoke transparent | 651 strands | 250ft | 75m reel |
| S103002 | 4AWG | power cable | clear transparent | 1659 strands | 100ft | 30m reel |
| S103202 | 4AWG | ground cable | smoke transparent | 1659 strands | 100ft | 30m reel |
| S103003 | 2AWG | power cable | clear transparent | 4284 strands | 25ft | 7m50 reel |
| S103203 | 2AWG | ground cable | smoke transparent | 4284 strands | 25ft | 7m50 reel |
| S103004 | 0AWG | power cable | clear transparent | 4284 strands | 25ft | 7m50 reel |
| S103204 | 0AWG | ground cable | smoke transparent | 4284 strands | 25ft | 7m50 reel |

Power wiring

To supply the amplifier with power, the positive wire comes from the battery. Over there the cable is connected with a high-quality battery terminal. This guarantees an optimum contact surface and prevents corrosion - and therefore a bad connection. Within a distance of 30cm from the battery a waterproof fuseholder is needed. This fuse protects the entire car against fire in case of an accident or a short-circuit. The positive power cable has to be led through the car at the side where the battery is located. The cable runs from the engine compartment to the passenger compartment and from there to the trunk where the amplifier is located.





cable kits

The elaborate Signat Platinum program allows you to choose the connection materials which will best fit your purpose. In order to support you to make the right decisions, Signat has conceived three extremely complete cable kits. These high-quality cable kits comprise every component you need to effectuate a successful and quick install of your car audio system. They supply all wiring needed for example to add an amplifier to your basic factory set-up of a headunit with loudspeakers. The cabling from headunit to the amplifier - signal cables and remote wire - is provided, as well as the power leads from the main car battery to the amplifier. A Platinum cable kit will certainly enhance your system's performance!

- Supreme quality cable kits for complete connection of an amplifier
- 16ft/4m 88 twisted pair RCA interconnect cables (*high value* or *super shielded*), clear transparent jacket
- Tinned OFC power cable, clear transparent jacket
- Tinned OFC power ground cable, smoke transparent jacket
- 20ft/6m blue remote turn-on lead (from headunit to amplifier)
- Waterproof fuseholder (AGU or ANL) with fuse for installation close to the battery
- Assorted terminals



product overview

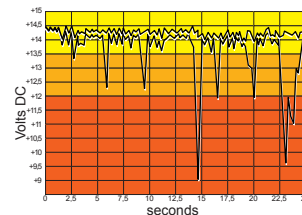
| | | | |
|---------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------|
| S104301 | 8 AWG/10mm ² high value cable kit: 16ft/5m power cable S105001 AGU fuse holder 2 ring terminals | 3ft/1m ground cable 60A AGU fuse 2 spade terminals | S101005 RCA cable 5m 20ft/6m remote turn-on lead |
| S104401 | 4 AWG/25mm ² high value cable kit: 16ft/5m power cable S105001 AGU fuse holder 2 ring terminals | 3ft/1m ground cable 60A AGU fuse 2 spade terminals | S101005 RCA cable 5m 20ft/6m remote turn-on lead |
| S104501 | 2 AWG/35mm ² super shielded cable kit: 16ft/5m power cable S105002 ANL fuse holder 2 ring terminals | 3ft/1m ground cable 80A ANL wafer fuse | S101305 RCA cable 5m 20ft/6m remote turn-on lead |

Power caps

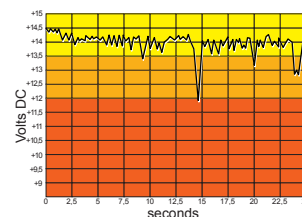
The power consumption of an amplifier can widely vary; it depends on the music and volume. The amplifier power available is determined by voltage x current ($P = U \times I$). At moments of fast, heavy bass pulses, amplifiers can draw considerable amounts of current, up to hundreds of Ampères, since they feature an efficiency of only 50%. Because the current (I) rises, the voltage (U) collapses, as a result of the wire losses. Each long power cable, even the thickest one, (leading from the front of the car to the back) generates a magnetic field, which creates induction, and this means losses. To maintain a maximum performance of the amplifier, you can't increase the voltage (a car only has 13,6/12 Volts), but you can increase the fast current delivery. Only electrolytic capacitors with a very low internal resistance, like the Signat models S104001, S104105 and S104201, can release their stored current extremely fast. In this way voltage variations, which could damage the amplifier, are avoided. And the amplifier can feed the loudspeakers with maximum power and control.

1000 Watts car audio system

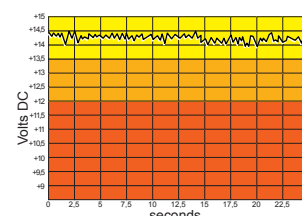
without capacitor



with 2 Farad capacitor



with 12 Farad capacitor



CAPACITORS

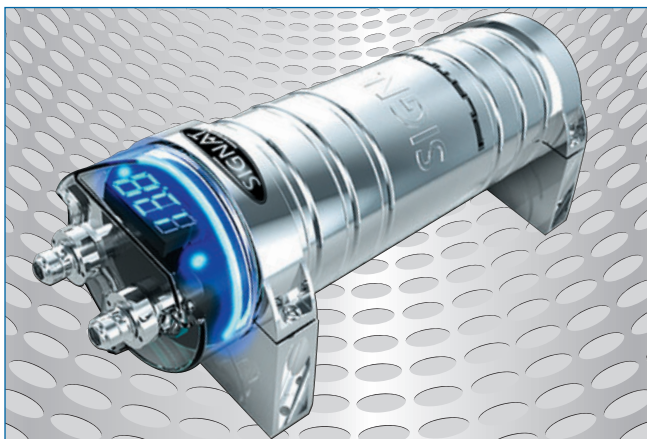


high-value power capacitor

- 1 Farad electrolytic power capacitor
- Blue LED 3-digit digital voltage display
- 24 Volts DC maximum voltage
- Low internal resistance
- Reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Plexiglass mounting brackets
- Dimensions 260x80mm



S104001 high-value power capacitor 1F



neon power capacitor

- 2 Farad electrolytic power capacitor
- Blue LED 3-digit digital voltage display
- Blue neon ring and flashing blue LED's
- Chrome plated design, chrome-plated mounting brackets
- 24 Volts DC maximum voltage
- Low internal resistance, reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Dimensions 262x80mm



S104105 neon power capacitor 2F

CAPACITORS



high-end power capacitor

- 12 Farad hybrid super power capacitor
- Two blue LED 3-digit Volts and Ampères displays
- 20 Volts DC maximum voltage
- Low internal resistance
- Reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Delivered in a wooden box with white gloves
- Dimensions 255x125x83mm



S104201 high-end power capacitor 12F



Fuse holders /distribution blocks

- Heavy duty shockproof plexiglass covers
- Platinum plated blocks and terminals



product overview

- S105001 Waterproof AGU inline fuse holder:
1x 4-8AWG in 1x 4-8AWG out
- S105002 Waterproof slanted mini ANL inline fuse holder:
1x 0-4AWG in 1x 0-4AWG out
- S105401 1 to 4 distribution block:
1x 4AWG in 4x 8AWG out
- S105431 2 to 4 power cable distribution / AGU fuse block:
1x 4AWG in 4x 4AWG out
1x 0AWG in
- S105432 1 to 2 power cable distribution / mini ANL fuse block:
1x 0AWG in 2x 4AWG out
- S105451 1 to 2 power waterproof cable distribution / mini ANL fuse block with 3-digit blue digital dual info display for Voltage / Amperage:
1x 0AWG in 2x 4AWG out



BATTERY TERMINALS



product overview

- S105601 Battery plus (+) terminal: 2x 8AWG out 1x 4AWG out
- S105602 Battery minus (-) terminal: 2x 8AWG out 1x 4AWG out
- S105611 High-end battery plus (+) terminal, plexiglass cover:
2x 8AWG out 1x 4AWG out 1x 2AWG out
- S105612 High-end battery minus (-) terminal, plexiglass cover:
2x 8AWG out 1x 4AWG out 1x 2AWG out
- S105651 High-end battery plus (+) terminal with 3-digit blue digital display, plexiglass cover:
2x 8AWG out 1x 4AWG out 1x 2AWG out



product overview

AGU glass fuses

| art.no. | current | dimensions | quantity |
|---------|---------|------------|----------|
| S106440 | 20 A | 10,3x38mm | 4 pieces |
| S106443 | 30 A | 10,3x38mm | 4 pieces |
| S106445 | 40 A | 10,3x38mm | 4 pieces |
| S106447 | 60 A | 10,3x38mm | 4 pieces |



ANL wafer fuses

| art.no. | current | dimensions | quantity |
|---------|---------|------------|----------|
| S106420 | 30 A | large ANL | 1 piece |
| S106421 | 100 A | large ANL | 1 piece |
| S106423 | 150 A | large ANL | 1 piece |
| S106425 | 200 A | large ANL | 1 piece |
| S106401 | 30 A | mini ANL | 2 pieces |
| S106402 | 40 A | mini ANL | 2 pieces |
| S106403 | 60 A | mini ANL | 2 pieces |
| S106404 | 80 A | mini ANL | 2 pieces |
| S106405 | 100 A | mini ANL | 2 pieces |
| S106406 | 150 A | mini ANL | 2 pieces |
| S106407 | 200 A | mini ANL | 2 pieces |

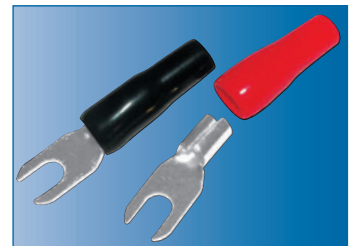


TERMINALS

product overview

ring terminals

| art.no. | Ø cable | Ø terminal | quantity |
|---------|------------------------|------------|----------|
| S107000 | 8AWG/10mm ² | 4,2mm | 2 pairs |
| S107010 | 8AWG/10mm ² | 6,4mm | 2 pairs |
| S107020 | 8AWG/10mm ² | 8,5mm | 2 pairs |
| S107030 | 8AWG/10mm ² | 8,5mm | 1 piece |
| S107005 | 4AWG/25mm ² | 4,2mm | 2 pairs |
| S107014 | 4AWG/25mm ² | 6,4mm | 2 pairs |
| S107022 | 4AWG/25mm ² | 8,5mm | 2 pairs |
| S107007 | 2AWG/35mm ² | 4,2mm | 1 pair |
| S107016 | 2AWG/35mm ² | 6,4mm | 1 pair |
| S107024 | 2AWG/35mm ² | 8,5mm | 1 pair |
| S107035 | 2AWG/35mm ² | 8,5mm | 1 piece |
| S107009 | 1AWG/50mm ² | 4,2mm | 1 pair |
| S107018 | 1AWG/50mm ² | 6,4mm | 1 pair |
| S107026 | 1AWG/50mm ² | 8,5mm | 1 pair |



spade terminals

| art.no. | Ø cable | Ø terminal | quantity |
|---------|--------------------------|------------|----------|
| S107050 | 14AWG/2,5mm ² | 4,2mm | 4 pairs |
| S107052 | 12AWG/4mm ² | 4,2mm | 4 pairs |
| S107060 | 8AWG/10mm ² | 4,2mm | 4 pairs |



loudspeaker terminals

| art.no. | Ø cable | Ø terminal | quantity |
|---------|--------------------------|------------|----------|
| S107070 | 14AWG/2,5mm ² | 4,8/2,8mm | 8 pairs |
| S107079 | 14AWG/2,5mm ² | 6,3mm | 4 pairs |
| S107072 | 12AWG/4mm ² | 4,8/2,8mm | 8 pairs |
| S107080 | 12AWG/4mm ² | 6,3mm | 4 pairs |



connection terminals

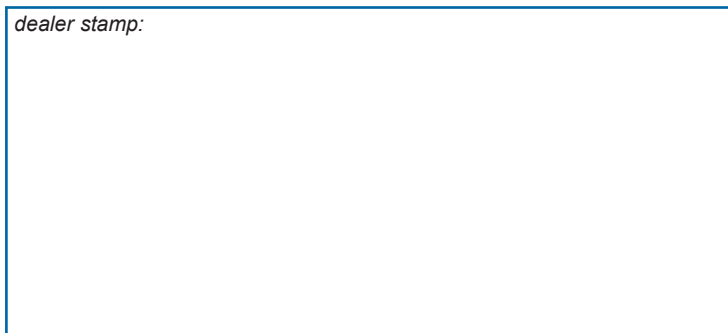
| art.no. | Ø cable | Ø terminal | quantity |
|---------|------------------------|-------------------|----------|
| S107040 | 8AWG/10mm ² | 10mm ² | 1 piece |
| S107045 | 4AWG/25mm ² | 20mm ² | 1 piece |

SIGNAT

PLATINUM

***Pictures may deviate. All products supplied as available.
Subject to modifications without notice.***

dealer stamp:



art.no. S999022

SIGNAT
info@signat.de
www.signat.de